

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DK2005/000132

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/10 C12N13/00 C12N1/06 C12M1/33 C12M1/42  
B01J19/00 B01L3/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C12M B01J B01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CAB Data, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/57314 A (FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.;) 11 November 1999 (1999-11-11) page 7, line 29 - line 31; figure 5; example 5	1-10, 12, 17-20
X	WO 2004/013329 A (IMP COLLEGE INNOVATIONS LTD 'GB!; MANZ ANDREAS 'GB!; FENNAH MELANIE 'G) 12 February 2004 (2004-02-12) page 8, line 18 - page 16, line 18; claims 1-52; figures 1-4	1-5, 7, 9, 10, 12, 18-22
X	WO 97/08293 A (SCIENTIFIC GENERICS LIMITED; MARTIN, SOPHIE, ELIZABETH, VICTORIA; BERG) 6 March 1997 (1997-03-06) page 2, line 26 - line 29 page 7, line 25 - line 28 claims 1-21; figures 1-4	1-3, 7, 10, 12
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

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- \*P\* document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search

1 June 2005

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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Hornig, H

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/28742 A (FRAUNHOFER GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V.;) 10 June 1999 (1999-06-10) page 7, line 16 - page 10, line 4; claims 1-22; figures 1-4 -----	1-3,7,9, 10,12
X	US 5 891 694 A (ARISAWA ET AL) 6 April 1999 (1999-04-06) column 2, line 2 - line 7; claims 1-10; figures 1,2 -----	1-3,7,9, 10,12
A	GB 2 329 633 A (* NIKKO KOGYO KABUSHIKI KAISHA) 31 March 1999 (1999-03-31) figures 4,5,7; example 3 -----	1-3,9, 10,12,17
A	WO 99/38612 A (NANOGEN, INC) 5 August 1999 (1999-08-05) the whole document -----	
A	WO 89/03426 A (BAYLOR COLLEGE OF MEDICINE) 20 April 1989 (1989-04-20) the whole document -----	
A	WO 01/19963 A (MOTOROLA INC; NAIR, VIJAY, K; GORONKIN, HERBERT) 22 March 2001 (2001-03-22) the whole document -----	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

In International Application No

PCT/DK2005/000132

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9957314	A	11-11-1999	DE 19819889 A1	11-11-1999
			AU 3931699 A	23-11-1999
			AU 746005 B2	11-04-2002
			AU 4036699 A	23-11-1999
			CA 2330790 A1	11-11-1999
			CA 2330819 A1	11-11-1999
			WO 9957313 A1	11-11-1999
			WO 9957314 A1	11-11-1999
			EP 1075546 A1	14-02-2001
			EP 1075548 A1	14-02-2001
			HU 0101828 A2	28-10-2001
			HU 0102123 A2	28-10-2001
			JP 2002513590 T	14-05-2002
			JP 2002513591 T	14-05-2002
			US 6511831 B1	28-01-2003
			AU 3804100 A	04-09-2000
			CA 2371880 A1	24-08-2000
			DE 10006491 A1	24-08-2000
			WO 0049173 A2	24-08-2000
			EP 1196628 A2	17-04-2002
			JP 2002537767 T	12-11-2002
			US 6699698 B1	02-03-2004
WO 2004013329	A	12-02-2004	AU 2003255740 A1	23-02-2004
			WO 2004013329 A1	12-02-2004
WO 9708293	A	06-03-1997	CA 2230375 A1	06-03-1997
			WO 9708293 A1	06-03-1997
			EP 0846161 A1	10-06-1998
			JP 11511322 T	05-10-1999
			US 6335161 B1	01-01-2002
			US 2005003436 A1	06-01-2005
			US 2002151694 A1	17-10-2002
WO 9928742	A	10-06-1999	DE 19752961 C1	15-07-1999
			CA 2311429 A1	10-06-1999
			WO 9928742 A1	10-06-1999
			EP 1034428 A1	13-09-2000
			JP 2001525185 T	11-12-2001
US 5891694	A	06-04-1999	JP 3154294 B2	09-04-2001
			JP 9037763 A	10-02-1997
GB 2329633	A	31-03-1999	JP 11089567 A	06-04-1999
WO 9938612	A	05-08-1999	US 6071394 A	06-06-2000
			AT 246040 T	15-08-2003
			AU 743074 B2	17-01-2002
			AU 2344599 A	16-08-1999
			BR 9908349 A	05-12-2000
			CA 2319705 A1	05-08-1999
			CN 1291913 A ,C	18-04-2001
			DE 69909971 D1	04-09-2003
			EP 1053055 A1	22-11-2000
			JP 2002502047 T	22-01-2002
			NZ 505858 A	27-09-2002
			WO 9938612 A1	05-08-1999
			US 2002155586 A1	24-10-2002

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2005/000132

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9938612	A	US 6403367 B1	11-06-2002
		US 6280590 B1	28-08-2001
		US 2001045359 A1	29-11-2001
WO 8903426	A 20-04-1989	US 4822470 A	18-04-1989
		AU 2787989 A	02-05-1989
		CA 1340200 C	15-12-1998
		DE 3855330 D1	04-07-1996
		DE 3855330 T2	21-11-1996
		DE 3856549 D1	30-01-2003
		DE 3856549 T2	20-11-2003
		EP 0386086 A1	12-09-1990
		EP 0710718 A1	08-05-1996
		JP 2739978 B2	15-04-1998
		JP 3502043 T	16-05-1991
		WO 8903426 A2	20-04-1989
		US 4970154 A	13-11-1990
		US 5304486 A	19-04-1994
WO 0119963	A 22-03-2001	US 6623945 B1	23-09-2003
		AU 1961301 A	17-04-2001
		CA 2384990 A1	22-03-2001
		EP 1214867 A2	19-06-2002
		JP 2003509822 T	11-03-2003
		WO 0119963 A2	22-03-2001
		US 2002115201 A1	22-08-2002